

## **Mitigating Systems Performance Index (MSPI) PRA Quality Task Group Charter**

As a result of NRC and stakeholder recommendations, the MSPI PRA Quality Task Group has been convened to resolve issues related to the quality required of a PRA for implementation of the MSPI.

In RG 1.174 and in RG 1.200, the PRA quality required for an application is defined in terms of the scope of the PRA, its level of detail, and its technical adequacy. Consistent with the scope of the MSPI, the scope of PRA required for the MSPI application is a level 1 PRA at full power. Since a Standard to support the scope of PRA required has been endorsed in RG 1.200, the MSPI application can be classified as a Phase 2 type application in the Commission's Phased Approach to PRA quality.

The objectives of the Task Group are to:

- Provide guidance on the level of detail and the characteristics of the base PRA needed to support the MSPI implementation, using, as a basis, the supporting level requirements and capability categories of the ASME PRA Standard.
- Provide guidance on licensee and staff activities needed to demonstrate that the base PRA is technically adequate to support its use to support the MSPI application, addressing the use of RG 1.200, the roles of peer review and self-assessment, and guidance for determining the need for, and scope of, staff audit of the base PRA model.
- Provide recommendations on an approach to dealing with those PRA uncertainties, assumptions, and methodological issues that are known to affect MSPI significance levels.
- Review and revise recommendations based on experience with initial implementation.
- Provide resolution of those emergent PRA methodological issues that are discovered during the lead plant implementation of the MSPI.

The Task Group recommendations will be provided in a letter report.